

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:1015984 CAPLUS
 DN 142:8263
 TI Catalytic **hydrogenation** of biochemically derived 1,3-propanediol
 for **color** reduction
 IN Diffendall, George Francis; Ames, Tyler T.; Gallagher, F. Glenn; Seapan,
 Mayis; Trotter, Robert E.
 PA E.I. Dupont de Nemours and Company, USA
 SO PCT Int. Appl., 19 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004101482	A2	20041125	WO 2004-US14044	20040505
	WO 2004101482	A3	20050106		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2004260125	A1	20041223	US 2004-839655	20040505
PRAI	US 2003-468212P	P	20030506		

AB A catalytic **hydrogenation** process is described for removing impurities and controlling acid for use in downstream processing of biochem. derived 1,3-propanediol by contacting it with hydrogen in the presence of a **hydrogenation catalyst** (e.g., Raney Ni). The biochem. derived 1,3-propanediol, before the contacting, has an initial **color** and, after the **hydrogenation**, has a **color** that is lower than the initial **color**.

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2004:964895 CAPLUS
 DN 141:397278
 TI Catalytic **hydrogenation** of chemically derived 1,3-propanediol to produce 1,3-propanediol having less **color**
 IN Sunkara, Hari Babu; Seapan, Mayis; Diffendall, George F.; Ames, Tyler T.
 PA USA
 SO U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004225161	A1	20041111	US 2003-634666	20030805
	WO 2004101468	A2	20041125	WO 2004-US14040	20040505
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2003-468223P	P	20030506		
	US 2003-634666	A	20030805		

AB A process is described comprising contacting chemical prepared 1,3-propanediol with hydrogen in the presence of a **hydrogenation catalyst** (e.g., Pd/C). The 1,3-propanediol, before the contacting has an initial **color** and, after the contacting, has a **color** that is lower than the initial **color**.

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:625844 CAPLUS

DN 141:157137

TI Decolorization and color stabilization of TEDA-solutions

IN Ciprian, Juergen; Frauenkron, Matthias; Maurer, Stephan; Melder, Johann-Peter

PA BASF Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1443048	A1	20040804	EP 2004-1777	20040128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	DE 10303696	A1	20040812	DE 2003-10303696	20030130
	US 2004186291	A1	20040923	US 2004-765988	20040129
	JP 2004231659	A2	20040819	JP 2004-24570	20040130
PRAI	DE 2003-10303696	A	20030130		

AB A procedure for preparation of triethylenediamine (TEDA) solns. containing a solvent from the group, polyhydroxy alcs. or ethers, is characterized by: (a) introduction of gaseous EDTA into the solvent; (b) treatment of the solution with one or more suitable adsorbents. The procedure is further characterized by: (a) the absorbent exists as compact, suspensions or vortex beds; (b) the process is continuous, discontinuous or semicontinuous. Thus, TEDA was dissolved in dipropylene glycol the solution was then treated with a combination of active charcoal powder (PAK 1220) and basic anion exchanger (Ambersep 900, OH- form) to give an **APHA** color number of 32.5 after 24 h.

L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1979:534913 CAPLUS

DN 91:134913

TI BOD and COD of some petrochemicals

AU Bridie, A. L.; Wolff, C. J. M.; Winter, M.

CS K/Shell-Lab., Shell Res. B. V., Amsterdam, Neth.

SO Water Research (1979), 13(7), 627-30

CODEN: WATRAG; ISSN: 0043-1354

DT Journal

LA English

AB About 90 chems., i.e., alcs., amines, carboxylic acids, epoxy compds., glycols, glycol ethers, halogenated and nonhalogenated hydrocarbons, ketones, and some industrial chems., marketed by Shell, were analyzed in terms of their BOD or COD. Combined BOD and COD provided information on the biodegradability of many of these chems. The tests were conducted in accordance with the American Public Health Association (**APHA**) standard method (1971; for BOD) and the **APHA** K2Cr2O7 method (1974; for COD). The results are also related to the theor. O demand.

(FILE 'HOME' ENTERED AT 16:15:48 ON 03 APR 2005)

FILE 'REGISTRY' ENTERED AT 16:16:05 ON 03 APR 2005

L1 1 S 1,3-PROPANEDIOL/CN
L2 1 S HYDROGEN/CN

FILE 'CAPLUS, CAOLD' ENTERED AT 16:16:44 ON 03 APR 2005

L3 4753 S L1
L4 91 S L3 AND L2
L5 38 S L4 AND CATALYST
L6 25 S L5 AND HYDROGENAT?
L7 2 S L6 AND COLOR
L8 0 S L6 AND APHA
L9 0 S L5 AND APHA
L10 222 S L3 AND HYDROGENAT?
L11 8 S L10 AND COLOR
L12 8 DUP REM L11 (0 DUPLICATES REMOVED)
L13 6 S L12 NOT L7
L14 0 S L13 AND APHA
L15 2 S L3 AND APHA
L16 2 S L15 NOT L7